

(BoxSeq) 04-20-00

A

PTO/SB/05 (1/98)

Approved for use through 9/30/00, OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Please type a plus sign (+) inside this box ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 920905.90041

First Inventor or Application Identifier Katherine W. Osteryoung

Title Manipulation of Min Genes in Plants

Express Mail Label No. EK290771354US

## APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

- 1 ☒ Fee transmittal Form  
(Submit an original and a duplicate for fee processing)
- 2 ☒ Specification [Total 25]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross References to Related Applications
  - Statement Regarding Fed Sponsored R&D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- 3 ☒ Drawing(s) (35 USC 113) [Total Sheets 3]
4. Oath or Declaration [Total Pages 2]
- a. ☒ Newly unexecuted (original or copy)
- b. ☐ Copy from prior Application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)
- [Note Box 5 below]
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed Statement attached deleting  
inventor(s) named in prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).
- 5 ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application from  
which a copy of the oath or declaration is supplied  
under Box 4b, is considered as being part of the  
disclosure of the accompanying application and is  
hereby incorporated by reference herein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

- ☒ Computer readable Copy
- ☒ Paper Copy (identical to computer copy)
- ☒ Statement Verifying identity of above

## ACCOMPANYING APPLICATION PARTS

- 8 ☐ Assignment Papers (cover sheet & documents)
- 9 ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(where there is an assignee)
- 10 ☐ English Translation Document (if applicable)
- 11 ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- 12 ☐ Preliminary Amendment
- 13 ☒ Return receipt postcard (MPEP 503)  
(Should be specifically itemized)
- 14 ☐ \*Small Entity Statement(s) ☐ Statement filed in prior application  
Status still proper and desired
- 15 ☐ Certified copy of priority Document(s)  
(if foreign priority is claimed)
- 16 ☐ Other:

\* A new statement is required to pay small entity fees, except where  
one has been filed in a prior application and is being relied upon

## 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no. 60/130,403

Prior application information: Examiner:

Group/Art Unit:

## 18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label)

or ☒ Correspondence address

NAME

Nicholas J. Seay

Quarles &amp; Brady LLP

ADDRESS

P O Box 2113

CITY

Madison

STATE

WI

ZIP CODE

53701-2113

COUNTRY

US

TELEPHONE

608/251-5000

FAX

608/251-9166

Name (Print/Type)

Nicholas J. Seay

Registration No. (Attorney/Agent)

37,094

Signature

Date

April 19, 2000

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. QBMA1216465

04/19/00

Jc644 U.S. PTO

**FEE TRANSMITTAL**

Patent fees are subject to annual revision.  
 Small Entity payments must be supported by a small entity statement  
 otherwise large entity fees must be paid, See Forms PTO/SB/09-12  
 See 37 C.F.R. §§1.27 and 1.28

TOTAL AMOUNT OF

\$1224.00

Complete if Known

Application Number

Filing Date

First Named Inventor

Katherine W. Osteryoung

Group Art Unit

Examiner Name

Attorney Docket Number

920905.90041

**METHOD OF PAYMENT (check one)**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number

17-0055

Deposit  
Account  
Name

Quarles &amp; Brady LLP

☒Charge Any Additional  
Fee Required Under 37  
CFR 1.16 and 1.17☐Charge the Issue Fee Set in 37 CFR  
1.18 at the Mailing of the Notice of  
Allowance, 37 CFR 1.311(b)

2. ☐ Payment Enclosed:

☐

Check

☐Money  
Order☐

Other

**FEE CALCULATION (fees effective 11/10/98)****1.. FILING FEE**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	690	201	345	Utility filing fee	690.00
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	690	208	345	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$ 690.00)

**2. CLAIMS**

		Extra		Fee from below	Fee Paid
Total Claims	28	-20**=	8	X 18	= 144.00
Independent Claims	8	-3**=	5	X 78	= 390.00
Multiple Dependent Claims					=

\*\* or number previously paid, if greater, For reissues see below

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	203	09	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim
109	78	209	39	**Reissue independent claims over original patent
110	18	210	09	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 534.00)

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee
105	130	205	65	Surcharge - late filing fee or oath
127	50	227	25	Surcharge - late provisional filing fee or cover sheet
139	130	139	130	Non-English specification
147	2,520	147	2,520	For filing a request for reexamination
112	920	112	920	Requesting publication of SIR prior to Examiner action
113	1,840	113	1,840	Requesting publication of SIR after Examiner action
115	110	215	55	Extension for reply within first month
116	380	216	190	Extension for reply within second month
117	870	217	435	Extension for reply within third month
118	1,360	218	680	Extension for reply within fourth month
128	1,850	228	925	Extension for reply within fifth month
119	300	219	150	Notice of Appeal
120	300	220	150	Filing a brief in support of an appeal
121	260	221	130	Request for oral hearing
138	1,510	138	1,510	Petition to institute a public use proceeding
140	110	240	55	Petition to revive unavoidably abandoned application
141	1,210	241	605	Petition to revive unintentionally abandoned application
142	1,210	242	605	Utility issue fee (or reissue)
143	430	243	215	Design issue fee
144	580	244	290	Plant issue fee
122	130	122	130	Petitions to the Commissioner
123	50	123	50	Petitions related to provisional applications
126	240	126	240	Submission of Information Disclosure Stmt
581	40	581	40	Recording each patent assignment per property (times number of properties)
146	690	246	345	Filing a submission after final rejection (37 CFR 1.129(a))
149	690	249	345	For each additional invention to be examined (37 CFR 1.129(b))

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

SUBTOTAL (3) (\$)

\* Reduced by Basic Filing Fee Paid

**SUBMITTED BY**Typed or  
Printed Name

Nicholas J. Seay

Registration No.  
(Attorney/Agent)

37,094

Signature

Date

April 19, 2000

**Complete (if applicable)**

Telephone No.

608/251-5000



Firstar Plaza  
Post Office Box 2113  
Madison, Wisconsin 53701-2113  
Tel 608.251.5000  
Fax 608.251.9166  
www.quarles.com

*Attorneys at Law in:*  
*Chicago (Quarles & Brady LLC)*  
*Milwaukee*  
*Naples*  
*Phoenix*  
*West Palm Beach*

April 19, 2000

Assistant Commissioner of Patents  
Box Patent Application  
Washington DC 20231

Re: Filing New Patent Application

Dear Sir:

Enclosed for filing please find a new patent application entitled:

MANIPULATION OF MIN GENES IN PLANTS

by Katherine W. Osteryoung

The undersigned hereby certifies that this document is being deposited with the United States Postal Service today, April 19, 2000, by the "Express Mail" service, utilizing Express Mail label number EK290771354US, addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Please indicate receipt of this application by returning the attached postcard with the official Patent and Trademark Office receipt and serial number stamped thereon.

Respectfully submitted,

Enclosures  
QBMAD\216467